

PATENT CLAIMS

1. Core-drilling device comprising a drilling machine (3) with a core drill (4), a stand (2), a feeding housing that suspends the drilling machine and that is movable along the stand, an electric drilling motor for rotation of the core drill in the drilling machine and
5 a feeding unit (19) with an electric feeding motor (17) for feeding of the feeding housing along the stand, **characterised in** a control unit (30) that is electrically connected to the feeding unit, this feeding unit (30) comprising at least a first control (33) for manual influence of the feeding motor's (17) feeding force.
- 10 2. Device according to claim 1, **characterised in** that the feeding unit comprises a torque regulator (36) arranged to be influenced by the mentioned first control (33) for manual influence of the feeding motor's feeding force.
3. Device according to claim 1 or 2, **characterised in** that the feeding unit
15 comprises a speed regulator (39) that can be manually influenced by means of a second control (34) on the control unit.
4. Device according to claim 2 and 3, **characterised in** that mentioned controls constitute potentiometers (35, 38).
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5. Device according to any of the claims 1-4, **characterised in** that the feeding unit comprises a torque limiting device for the feeding motor and that this device can be influenced by the mentioned first control.
- 25 6. Device according to any of the claims 1-5, **characterised in** that the control unit constitutes a portable unit, which via at least one cable or via radio communication is electrically connected to the feeding unit.
7. Device according to any of the claims 1-6, **characterised in** that the feeding
30 unit also comprises means for controlling a water flow to the drilling head.
8. Device according to any of the claims 1-7, **characterised in** that the control unit comprises controls for alternate forward and backward operation of the feeding housing and for stationary position of the feeding motor.
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9. Device according to any of the claims 1-8, **characterised in** that the control unit comprises a rotational speed indicator for the feeding motor.

10. Device according to claim 9, **characterised in** that the rotational speed indicator constitutes a light which is arranged to be switched on and off at a frequency in proportion to the rotational speed.

- 5 11. Device according to any of the claims 1-10, **characterised in** that the control unit comprises an on-off control for automatic stopping of the system which comprises a feeding motor, drilling motor for rotation of the drill and for shutting off the water supply when the drill penetrates an object to be drilled or when the drill has reached a preset depth in the working object.